

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Date: March 19, 2004

JOHN O. MICHELINI and  
DONALD J. LEWIS

Filed : Concurrently with Application

For : VALVE CONTROL TO REDUCE MODAL FREQUENCIES  
THAT MAY CAUSE VIBRATION

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98**

Applicants are submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the U.S. Patent and Trademark Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 form(s). The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicants respectfully request that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

## CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) 6 pages of PTO-1449 forms, and (2) a legible copy of each foreign and non-patent reference, if any, listed on the form(s). However, because this application was filed on or after July 1, 2003, no copies of U.S. patents or published U.S. patent applications are included.

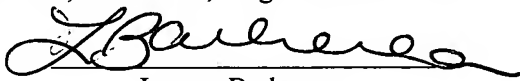
## TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed with the application or with a Request for Continued Examination of the application under 37 C.F.R. §1.114. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

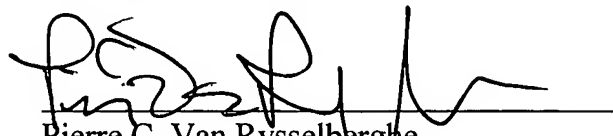
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Date of Deposit – March 19, 2004

I hereby certify that the attached correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

  
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Respectfully submitted,

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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER FGT 223	APPLICATION NUMBER
	APPLICANT(S)	
	FILING DATE	GROUP ART UNIT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	4,779,528	10-25-88	Bruke			
	4,926,823	5-22-90	Kishi et al			
	4,965,741	10-16-90	Cook et al			
	5,236,332	8-17-93	Satou et al			
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	5,647,312	7-15-97	Salber et al			
	5,669,341	9-23-97	Ushirono et al			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	S55-49549 ✓	4-10-80	JP				
	S55-29002 ✓	3-1-80	JP				
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	RONALD J. PIERIK et al, "Design and Development of a Mechanical Variable Valve Actuation System", SAE Technical Paper No. 2001-01-1221, March 6-9, 2000, pp. 1-8
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	M.J. VAN NIEUWSTADT et al, "Air Change Estimation in Camless Engines", SAE Technical Paper No. 2001-01-0581, March 5-8, 2001, pp. 1-8

EXAMINER

DATE CONSIDERED

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	5,678,402	10-21-97	Kitagawa et al			
	5,743,221	4-28-98	Schmitz			
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	LUCIEN KOOPMANS et al, "A four Stroke Camless Engine, Operated in Homogeneous Charge Compression Ignition Mode with Commercial Gasoline", SAE Technical Paper No. 2001-01-3610, September 24-27, 2001, pp. 1-14					
	WOLFGANG SALBER et al, "Synergies of Variable Valve Actuation and Direct Injection", SAE Technical Paper No. 2002-01-0706, March 4-7, 2002, pp. 1-9					
	"Operation of the Electronic Valve Actuation, Ford EVA Project Closed Loop Engine, System Control", Manual - Preliminary Version III, March 21, 2003, and in particular pp. 6, 72, 80-84, 89-95, 104-119, and 134-218					
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	6,276,316	8-21-01	Arai et al			
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	6,425,369	7-30-02	Arai et al			
	6,431,129	8-13-02	Hammoud et al			
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	6,311,667	11-6-02	Satou et al			
	6,481,201	11-19-02	Kako et al			
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	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
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	6,470,853	11-29-02	Leone et al				
	6,497,093	12-24-02	Lewis et al				
	6,502,389	1-7-03	Katayama et al				
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	6,557,505	5-6-03	Hori				
	6,568,177	5-27-03	Surnilla				
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